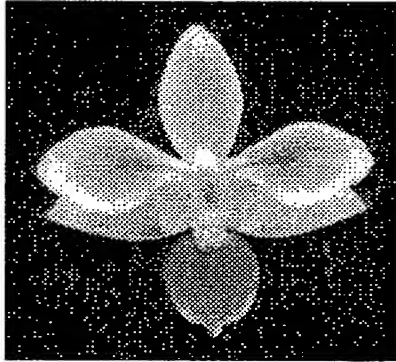
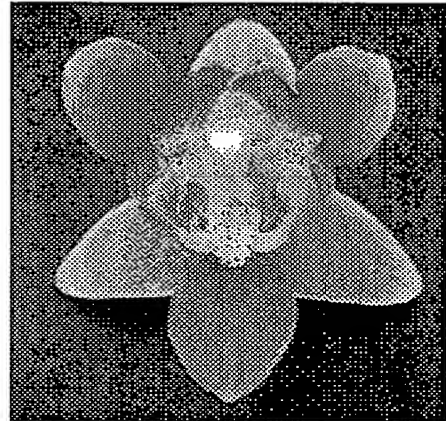


a



b



c

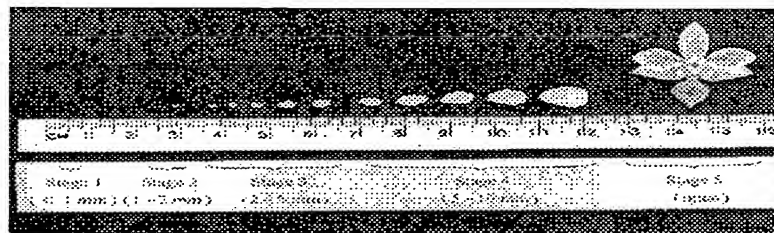


FIG. 1

MADS-DOMAIN									
PI	MGRGKIEIKR	ISNANNRQV	YSKPRNSQV	KARELTVLC	AKVGLTFSS	NGKMTYVC	CP	68	
OSMADS4	MGRGKIEIKR	ISNSTNRQV	YSKRRNSQV	KARELTVLC	AKVGLTFSS	AGKLSYVC	CP	68	
DEF	MGRGKIEIKR	ISNQTNRQV	YSKRRNSQV	KARELTVLC	AKVGLTFSS	TQKLSHEY	SP	68	
AP3	MGRGKIEIKR	ISNQTNRQV	YSKRRNSQV	KARELTVLC	AKVGLTFSS	SNKLSHEY	SP	68	
OSMADS16	MGRGKIEIKR	ISNATNRQV	YSKRRNSQV	KARELTVLC	AKVGLTFSS	TGKLSHEY	SP	68	
SILKY1	MGRGKIEIKR	ISNPTNRQV	YSKRRNSQV	KARELTVLC	AKVGLTFSS	TGKLSHEY	SP	68	
PeMADS4	MGRGKIEIKR	ISNPTNRQV	YSKRRNSQV	KARELTVLC	AKVGLTFSS	TGKLSHEY	SP	68	
PeMADS3	MGRGKIEIKR	ISNPTNRQV	YSKRRNSQV	KARELTVLC	AKVGLTFSS	TGKLSHEY	SP	68	
LMADS1	MGRGKIEIKR	ISNPTNRQV	YSKRRNSQV	KARELTVLC	AKVGLTFSS	TGKLSHEY	SP	68	
PeMADS2	MGRGKIEIKR	ISNPTNRQV	YSKRRNSQV	KARELTVLC	AKVGLTFSS	TGKLSHEY	SP	68	
PeMADS5	MGRGKIEIKR	ISNPTNRQV	YSKRRNSQV	KARELTVLC	AKVGLTFSS	TGKLSHEY	SP	68	
I-DOMAIN									
PI	SMELGAMLD	YQTNSSCKLW	DAENSK	DRKKENDS	LCLEFHLKG	EDQSLYKN		120	
OSMADS4	SMELGAMLD	YQTNSSCKLW	DAENSK	DRKKENDS	LCLEFHLKG	EDQSLYKN		120	
DEF	SMELGAMLD	YQTNSSCKLW	DAENSK	DRKKENDS	LCLEFHLKG	EDQSLYKN		120	
AP3	SMELGAMLD	YQTNSSCKLW	DAENSK	DRKKENDS	LCLEFHLKG	EDQSLYKN		120	
OSMADS16	SMELGAMLD	YQTNSSCKLW	DAENSK	DRKKENDS	LCLEFHLKG	EDQSLYKN		120	
SILKY1	SMELGAMLD	YQTNSSCKLW	DAENSK	DRKKENDS	LCLEFHLKG	EDQSLYKN		120	
PeMADS4	SMELGAMLD	YQTNSSCKLW	DAENSK	DRKKENDS	LCLEFHLKG	EDQSLYKN		120	
PeMADS3	SMELGAMLD	YQTNSSCKLW	DAENSK	DRKKENDS	LCLEFHLKG	EDQSLYKN		120	
LMADS1	SMELGAMLD	YQTNSSCKLW	DAENSK	DRKKENDS	LCLEFHLKG	EDQSLYKN		120	
PeMADS2	SMELGAMLD	YQTNSSCKLW	DAENSK	DRKKENDS	LCLEFHLKG	EDQSLYKN		120	
PeMADS5	SMELGAMLD	YQTNSSCKLW	DAENSK	DRKKENDS	LCLEFHLKG	EDQSLYKN		120	
K-DOMAIN									
PI	LNMAEHAIEH	GLDKVRDROM	ENISK	NEKMMARE	OEOLTFOLO	QEMAIASNAR		176	
OSMADS4	LNMAEHAIEH	GLDKVRDROM	ENISK	NEKMMARE	OEOLTFOLO	QEMAIASNAR		176	
DEF	LNMAEHAIEH	GLDKVRDROM	ENISK	NEKMMARE	OEOLTFOLO	QEMAIASNAR		176	
AP3	LNMAEHAIEH	GLDKVRDROM	ENISK	NEKMMARE	OEOLTFOLO	QEMAIASNAR		176	
OSMADS16	LNMAEHAIEH	GLDKVRDROM	ENISK	NEKMMARE	OEOLTFOLO	QEMAIASNAR		176	
SILKY1	LNMAEHAIEH	GLDKVRDROM	ENISK	NEKMMARE	OEOLTFOLO	QEMAIASNAR		176	
PeMADS4	LNMAEHAIEH	GLDKVRDROM	ENISK	NEKMMARE	OEOLTFOLO	QEMAIASNAR		176	
PeMADS3	LNMAEHAIEH	GLDKVRDROM	ENISK	NEKMMARE	OEOLTFOLO	QEMAIASNAR		176	
LMADS1	LNMAEHAIEH	GLDKVRDROM	ENISK	NEKMMARE	OEOLTFOLO	QEMAIASNAR		176	
PeMADS2	LNMAEHAIEH	GLDKVRDROM	ENISK	NEKMMARE	OEOLTFOLO	QEMAIASNAR		176	
PeMADS5	LNMAEHAIEH	GLDKVRDROM	ENISK	NEKMMARE	OEOLTFOLO	QEMAIASNAR		176	
C-DOMAIN									
PI	GM...M.R	D...D...Q	...G...R	VQPIOPNLO	EKIMSLVID	...	...	...	208
OSMADS4	GM...M.R	D...D...Q	...G...R	VQPIOPNLO	EKIMSLVID	...	...	...	208
DEF	GM...M.R	D...D...Q	...G...R	VQPIOPNLO	EKIMSLVID	...	...	...	208
AP3	GM...M.R	D...D...Q	...G...R	VQPIOPNLO	EKIMSLVID	...	...	...	208
OSMADS16	GM...M.R	D...D...Q	...G...R	VQPIOPNLO	EKIMSLVID	...	...	...	208
SILKY1	GM...M.R	D...D...Q	...G...R	VQPIOPNLO	EKIMSLVID	...	...	...	208
PeMADS4	GM...M.R	D...D...Q	...G...R	VQPIOPNLO	EKIMSLVID	...	...	...	208
PeMADS3	GM...M.R	D...D...Q	...G...R	VQPIOPNLO	EKIMSLVID	...	...	...	208
LMADS1	GM...M.R	D...D...Q	...G...R	VQPIOPNLO	EKIMSLVID	...	...	...	208
PeMADS2	GM...M.R	D...D...Q	...G...R	VQPIOPNLO	EKIMSLVID	...	...	...	208
PeMADS5	GM...M.R	D...D...Q	...G...R	VQPIOPNLO	EKIMSLVID	...	...	...	208

FIG. 2

	PI Motif-Derived	PaleoAP3 Motif
DR6	--VHNLYAFR LQPL-HPNLQ	NE-GG-FGSR -DLRLS
OSMADS16	GAAADMFAFR VVPS-QPNLH	GMAYGGN--H -DLRLG
TAMADS51	GLAADMYAFR VVPS-QPNLH	GMAYGGS--H -DLRLG
SILKY1	GAPPDMYAFR VVPS-QPNLH	GMAYG-F--H -DLRLG
SmAP3	RPADVGYAFH HSAG-QSNVH	---DVGYGFGH -ELRLA
PeMADS3	---SYLYSFR TQPS-QPNLQ	---GVGYVPH -DLRLA
PeMADS2	---PQMFSFR VVHPNQPNLL	---GLGYESH -DLSLA
PeMADS4	---SHHYAFR VQPN-QQNLO	---GTGYSSH MDLRLA
LMADS1	NGASHLYEFR VQPS-QPNLH	---GMGYGSH -DLRLA
PnAP3-2	---PNI FAFR LQPS-QPNLH	N--GGGYNCH -DLRLA
MfAP3	---AHI-----LH	D---TGFGIH -DLRLA
DeAP3	---QNI FAFR LQPS-QPNLH	D--GGGYGSH -DLRLA
PeMADS5	YDSSISMANR LHRS-EPNVQ	---KVVRECH -EFGFD
CMB2	AAA-NLFALS RHPIT-----	-----
Consensus	-----F.FR LQPS.QPNLH	-----YG-H -DLRLA

FIG. 3

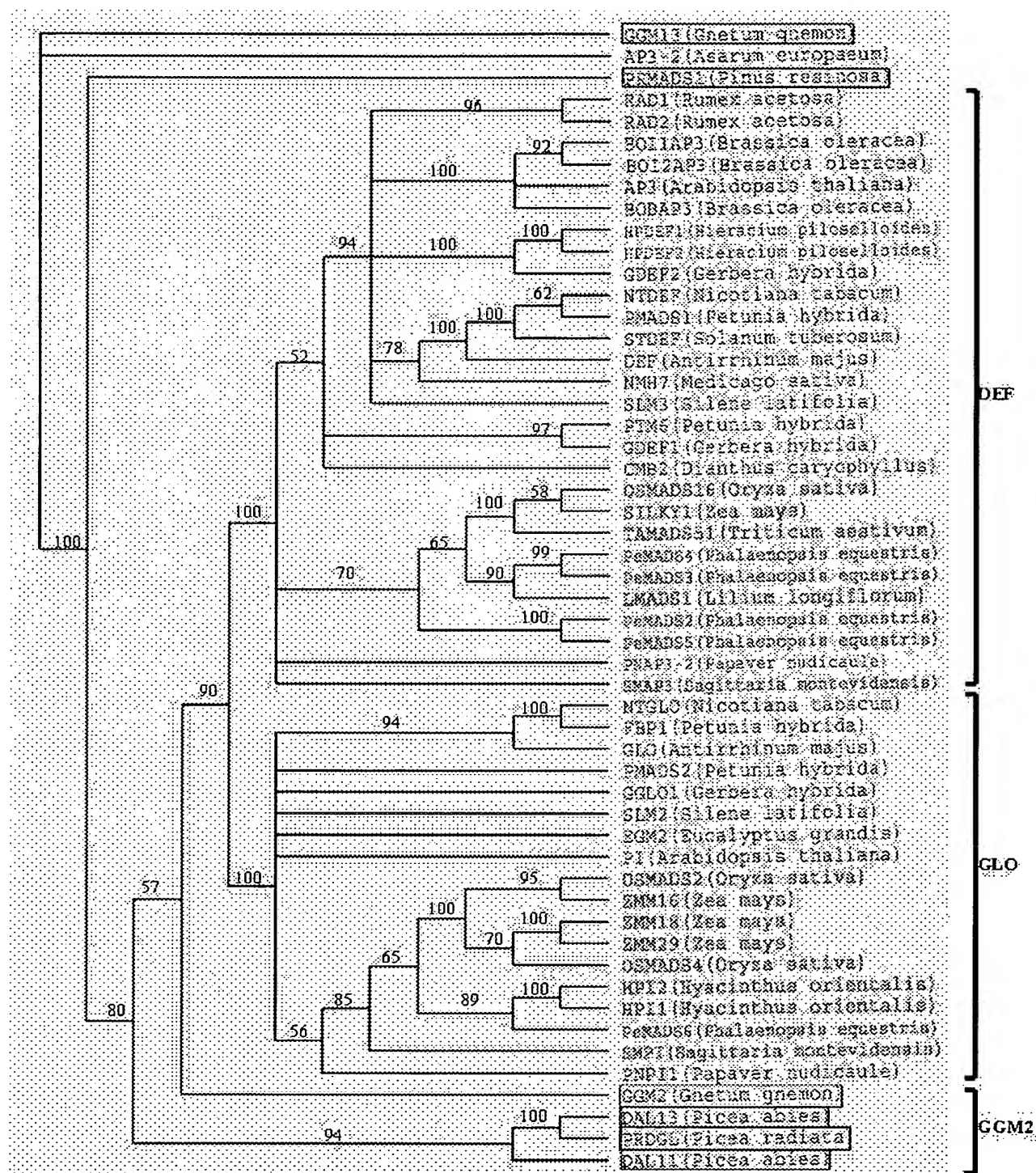


FIG. 4

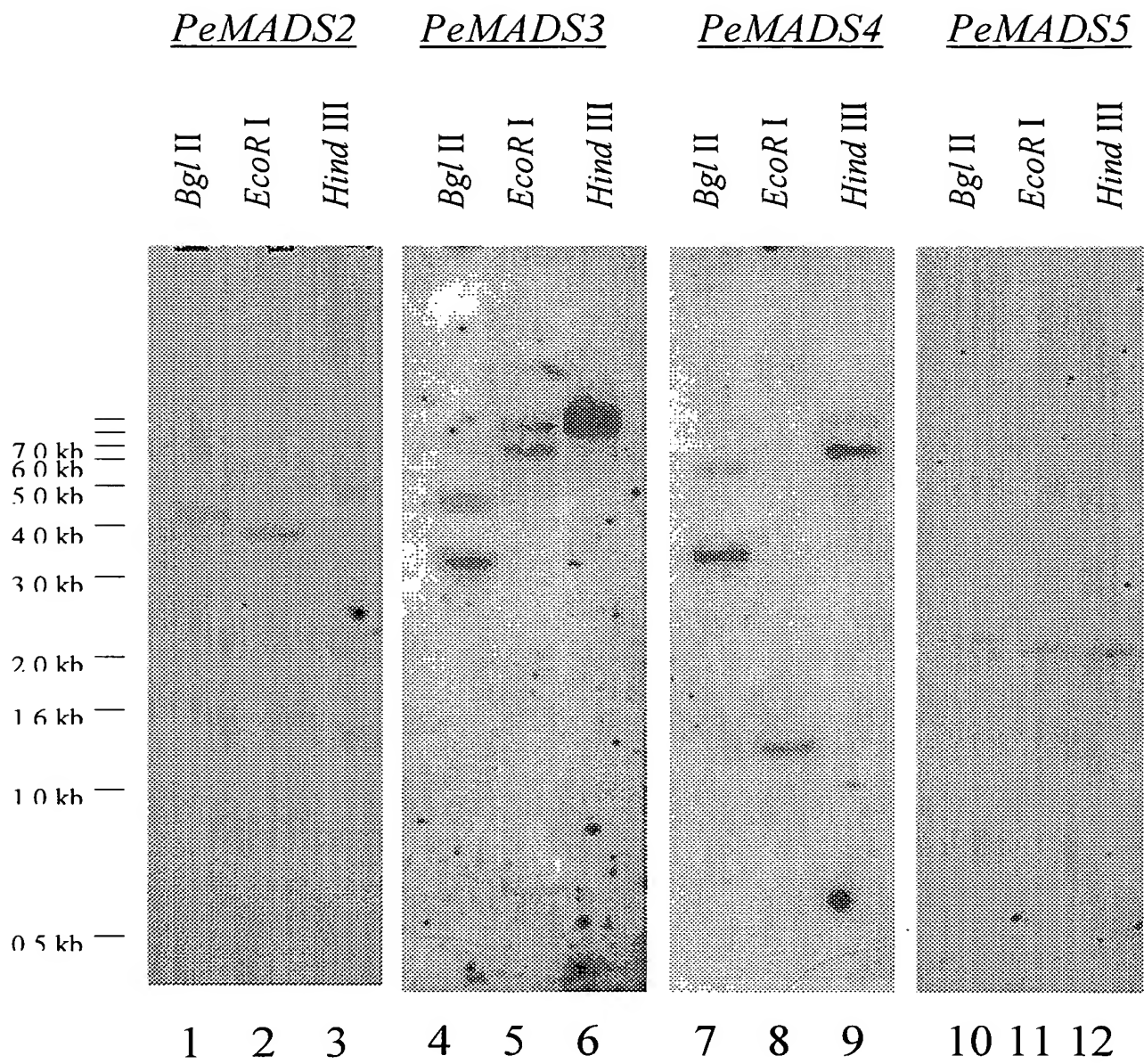


FIG. 5

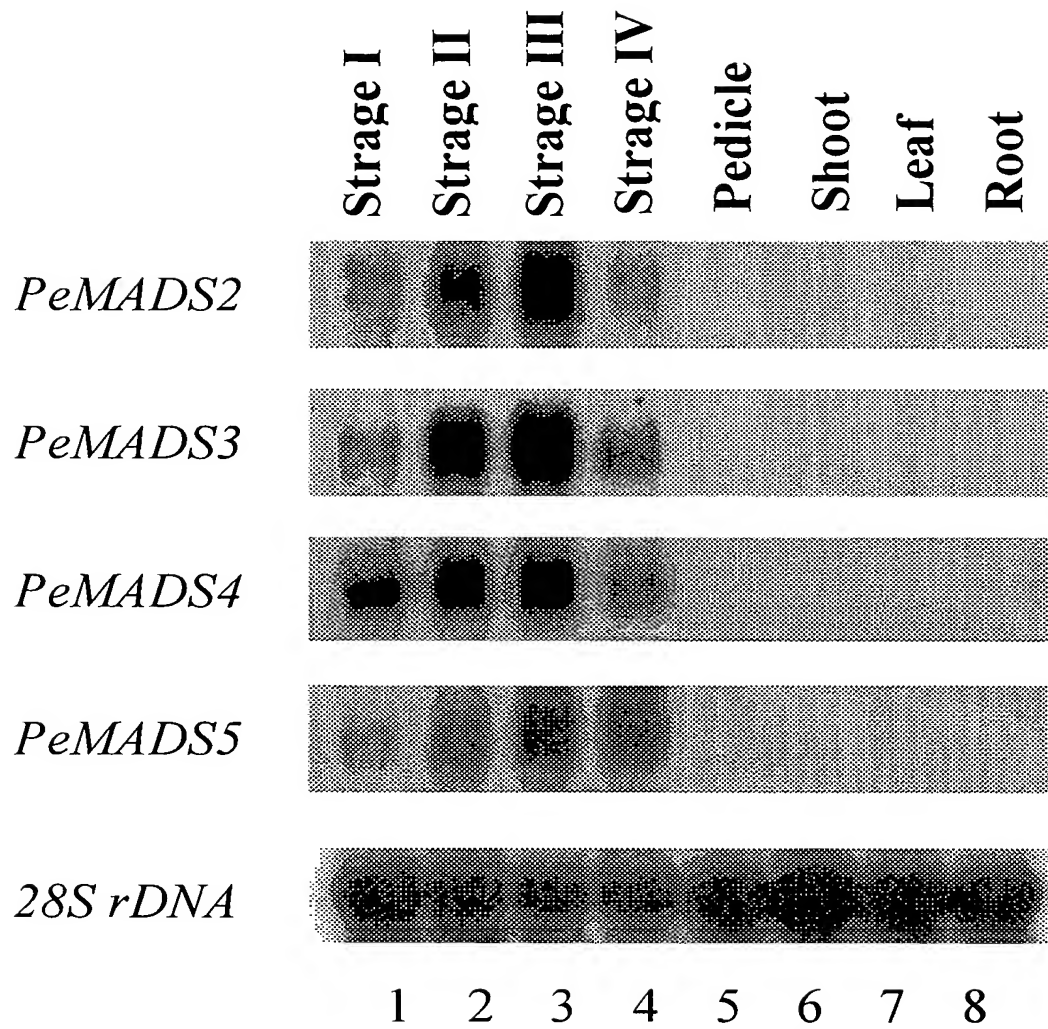


FIG. 6

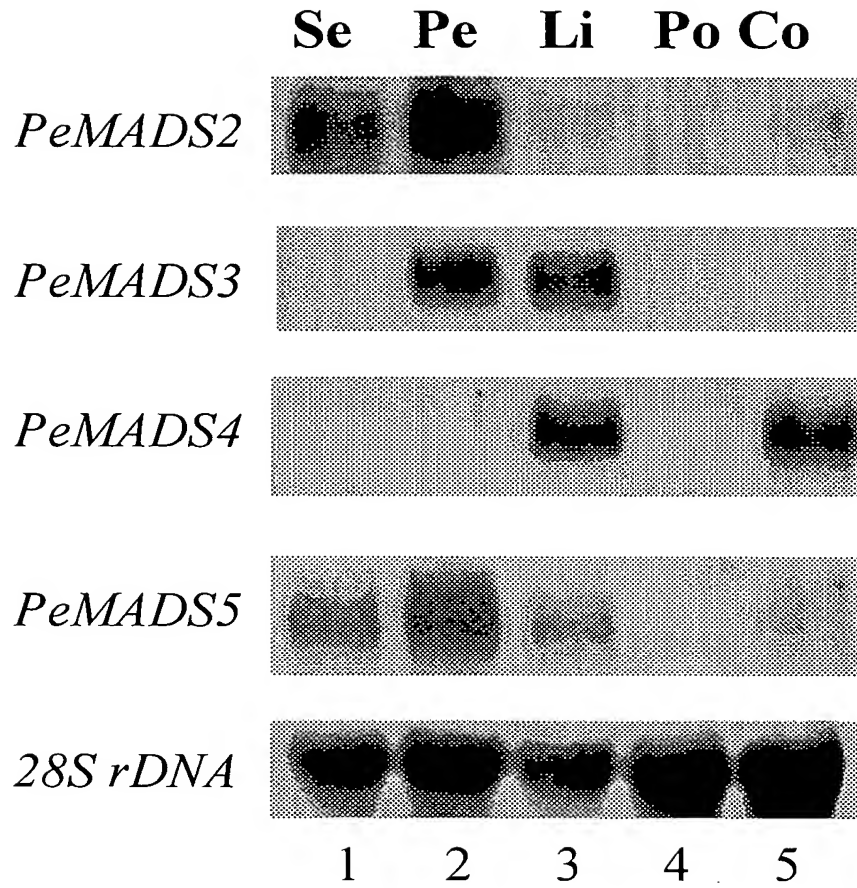


FIG. 7a

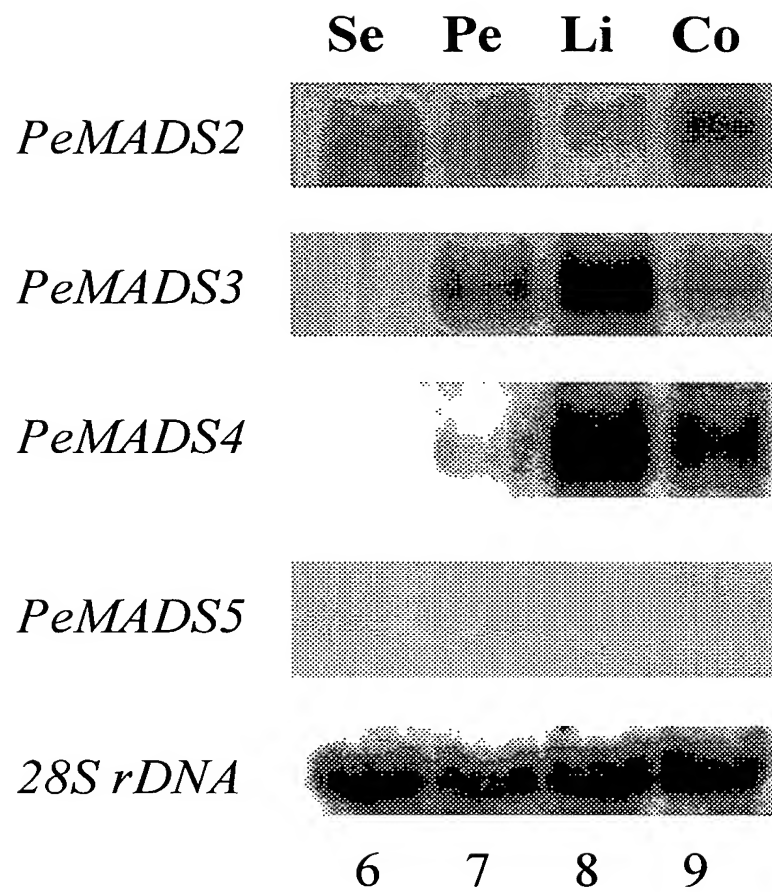


FIG. 7b